GOVERNMENT OF INDIA
AGRICULTURE
LOK SABHA

UNSTARRED QUESTION NO:4798
ANSWERED ON:19.04.2001
STRENGTHENING OF HYBRID TECHNOLOGY
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Will the Minister of AGRICULTURE be pleased to state:

(a) whether the need for the adoption of hybrid technology and better farm practices have been stressed by the experts;

(b) if so, the details thereof including the recommendations made by them thereon; and

(c) the steps taken to implement those recommendations?

Answer

THE MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE (DR. DEBENDRA PRADHAN)

(a) Hybrid Technology along with better farm practices is one of the important technologies for enhancing productivity and production of different field and horticultural crops. Accordingly, high priority is being accorded for development of hybrids especially in crops such as rice, maize, pearlmillet, sorghum, sunflower, safflower, castor, rapeseed mustard and pigeonpea among field crops and brinjal, tomato, cabbage, cauliflower, pumpkin, carrot, muskmelon, watermelon, mango, guava, grape, custard apple and apple among horticultural crops.

(b) The important hybrids developed and released in different field crops and horticultural crops are given in Annexure-I.

Production technologies like nutrient and irrigation requirements, weed management, integrated pest and disease management have been recommended for realizing the high yield potential of various hybrids. Technologies for seed production of hybrids of these crops have also been standardized to obtain maximum seed production and to minimize the cost of seed.

(c) Hybrids in different field and horticultural crops have been released and notified by the Central Sub-Committee on Crop Standards, Notification and Released of Varieties of Agricultural Crops constituted by Department of Agriculture and Cooperation, Ministry of Agriculture, Govt. of India.The hybrids thus released are under commercial cultivation. Action is also initiated for prompt popularization of all newly released hybrids soon after their release.

ANNEXURE - I

LIST OF HYBRIDS

S.No. Name of Crops Name of Hybrids

A. FIELD CROPS

1. Rice APHR-1, APHR-2, DRRH-1, KRH-1, KRH-2, MGR-1, CORH-2, ADTRH-1, Pant Sankar Dhan-1, Narendra Sankar Dhan-2, CNRH-3,Sahyadri, PHB - 71, PA - 6201

2. Maize

i) Full Season : Deccan 105, Trishulata, Paras, Dharwad Makka-3, HHM 1, HHM2
ii) Medium Maturity : Deccan 107, Rajendra Makka-1, Rajendra Makka-2
iii) Early Hybrids : Deccan 109, Him 129, Prakash, Pusa Early Hybrid Makka 1, Pusa Early Hybrid Makka 2, Vivek Hybrid-4, AH-58

3. Sorghum CSH 5, CSH 6, CSH 9, CSH 10,CSH 13, CSH 14, CSH 15R, CSH 16 , CSH17, CSH18, JKSH 22, MLSH 14

4. Pearl Millet Pusa 322, Pusa 444, RHB 58, GHB 316, Pusa 605, Pusa 415, HHB 94, RHB 30, RHB 90, GHB 15, GHB 235, GHB 183, Shradha, Sabouri, Deogiri, X6, X7, JKBH 26, GK 1004, PAC 903

5. Cotton

i) North Zone : Fateh, Dhanlaxmi, CSHH 29 (Om Shankar), LHH-144, LDH-11, HD 107, RD Hy 7, AAH-1
ii) Central Zone : G. Cot. 8, G. Cot. 10, CICR HH-1 (Kirti), JK Hy 2, NHH 302, PHH 316, PKV Hy-4
iii) South Zone : Savitha, Surya (TM 1312), DHH 11, DHB 105,LAHH 1, LAHH 4

6. Pigeonpea ICPH-8, PPH-4, COH-1, COH-2, AKPH-4101, AKPH-2022

7 Sunflower PKVSH-27, DSH-1, KBSH-1,PSFH-67, Jawalamukhi, Sungene 85, PAC 36, PAC 1091, MLSFH 47

8. Castor GCH 4, DCH 32, DCH 177, GCH 5,GCH 6

9. Safflower DSH 129, MKH 11
10. Rapeseed & Mustard Hyola 401

B. VEGETABLE CROPS

11.	Brinjal	Arka Navneet,Pusa Hybrid 6, Pusa Hybrid 5, ARBH 201, NDBH 1,ABH 1,MHB 10,MHB 39,NDBH 6, ABH 2
12.	Tomato	ARTH 3, ARTH 4, Pusa Hybrid 2, NA501, DTH 4, MTH 6, Arka Vardhan, KT 4, NA 601, FMH 1, BSS 20
13.	Cabbage	Pusa synthetic, Sri Ganesh Gob Nath 401, BSS 32
14	Cauliflower	Pusa Hybrid 5
15	Musk melon	M 3
16	Water melon	Arka Jyothi
17	Pumpkin	Pusa Hybrid 1
18	Carrot	Hybrid 1

C. FRUIT CROPS

19	Mango	Amrapalli, Mallica, Arka Aruna, Arka Punnet, Arka Anmmol, Ratna , Sindhu, Dashehari -51
20	Guava	Arka Amulya, Arka Mridula
21	Grape	Arkavati, Arka Neelmari, Arka Shweta
22	Custard Apple	Arka sakan
23	Apple	Lal Ambri, Sunehari, Ambred, Ambrich